

MECH 561. BIOMECHANICS OF MUSCULOSKELETAL SYSTEMS.

Credits: 3

Offered by: Mechanical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

The musculoskeletal system; general characteristics and classification of tissues and joints. Biomechanics and clinical problems in orthopaedics. Modelling and force analysis of musculoskeletal systems. Passive and active kinematics. Load-deformation properties of passive connective tissue, passive and stimulated muscle response. Experimental approaches, case studies.

- (3-0-6)
- Prerequisite (Undergraduate): MECH 321 and (MECH 315 or MECH 419)

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